

Applicant : Robert C. Sundahl
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Attorney's Docket No.: 10559-438001 / P10655

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-34 (Cancelled)

35. (Previously added): An OLED display, comprising;
a back panel having at least one electrical interconnection line;
a front panel substantially parallel to the back panel;
an array of OLED pixels positioned between the front panel and the back panel, the array of OLED pixels having at least one centrally located OLED pixel that is formed at a non-edge location of the array, wherein the centrally located pixel has an anode contact located at the non-edge location; and
a thermally conductive element on the anode contact at the non-edge location to electrically connect the anode contact and the electrical interconnection line of the back panel.
36. (Previously added): The display of claim 35, wherein the central pixel has a cathode contact located at the non-edge location, and a second thermally conductive element is formed on the cathode contact to electrically connect the cathode contact to the electrical connection line of the back panel.
37. (Previously added): The display of claim 35, wherein each OLED pixel comprises a plurality of OLED sub-pixel regions that emit different colors of light.
38. (Previously added): The display of claim 35, wherein the thermally conductive elements comprise solder.

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39. (Previously added): An OLED display, comprising:
a back panel having at least one electrical interconnection line formed thereon;
a front panel substantially parallel to the back panel; and
an array of OLED pixels positioned between the front panel and the back panel, wherein each OLED pixel is operable to emit light when an electrical current is conducted through the OLED pixel between an anode line and a cathode line,

wherein each cathode line is electrically connected to a corresponding electrical interconnection line of the back panel by thermally conductive elements formed at each OLED pixel and positioned between the cathode line and the corresponding electrical interconnection line;

wherein each anode line is electrically connected to at least one electrical interconnection line of the back panel by thermally conductive elements formed at each OLED pixel and positioned between the anode line and the electrical interconnection line of the back panel.

40. (Previously added): The display of claim 39, wherein each OLED pixel comprises a plurality of OLED sub-pixel regions that emit different colors of light.

41. (Previously added): The display of claim 39, wherein the thermally conductive elements comprise solder.

42. (Previously added): The display of claim 41, wherein each OLED pixel has:
at least one cathode contact formed between the cathode line and the electrical interconnection line of the back panel; and
a solder joint for each OLED pixel on the cathode contact between the OLED pixel and the back panel.

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43. (New): The display of claim 39, wherein each OLED pixel generates heat when electrical current is conducted through the OLED pixel.
44. (New): The display of claim 43, wherein at least a portion of the heat generated by each OLED pixel is dissipated to the back panel through at least one thermally conductive element in proximity to the OLED pixel.
45. (New): The display of claim 39, wherein the back panel comprises a ceramic material.
46. (New): The display of claim 39, further comprising an epoxy material to affix the front panel to the back panel such that the epoxy material occupies the space between the thermally conductive elements.
47. (New): The display of claim 39, further comprising a heat dissipating structure coupled to a surface of the back panel opposite to the front panel.
48. (New): The display of claim 47, wherein the heat dissipating structure is a heat fin coupled to the surface of the back panel opposite to the front panel.
49. (New): The display of claim 48, further comprising a cooling fan to force airflow over the heat fin.
50. (New): The display of claim 35, wherein the centrally located pixel generates heat when electrical current is conducted through the pixel.
51. (New): The display of claim 50, wherein at least a portion of the heat generated by the centrally located pixel is dissipated to the back panel through at least one thermally conductive element in proximity to the pixel.

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52. (New): The display of claim 35, wherein the back panel comprises a ceramic material.

53. (New): The display of claim 35, further comprising an epoxy material to affix the front panel to the back panel.

54. (New): The display of claim 35, further comprising a heat dissipating structure coupled to a surface of the back panel opposite to the front panel.

55. (New): The display of claim 54, wherein the heat dissipating structure is a heat fin coupled to the surface of the back panel opposite to the front panel.

56. (New): The display of claim 55, further comprising a cooling fan to force airflow over the heat fin.